

FIG. 1.

FIG. 2.

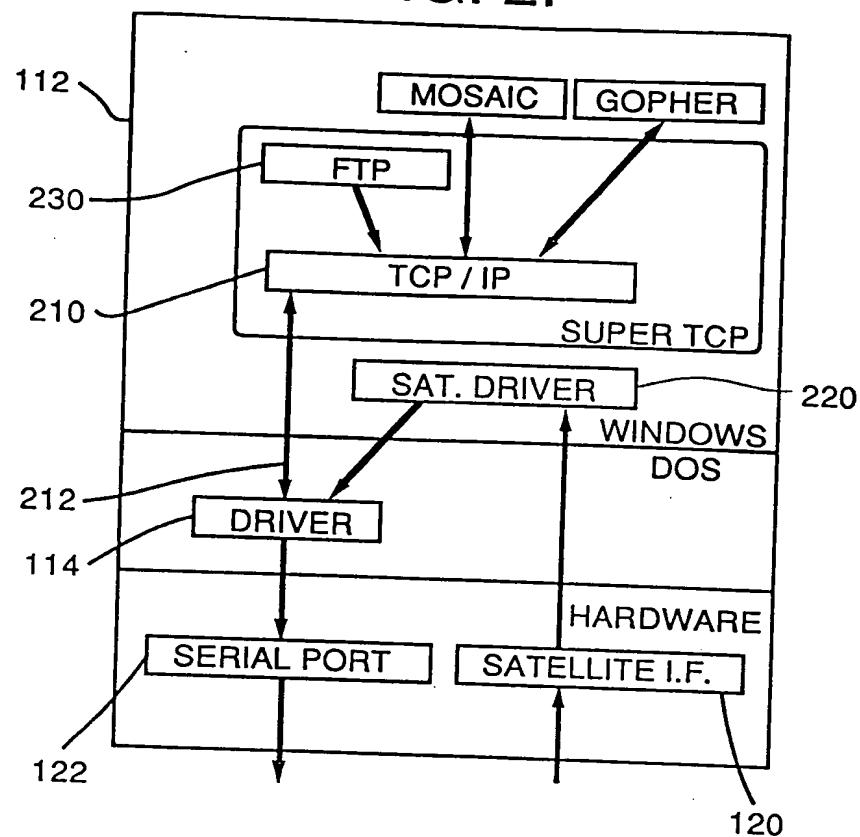


FIG. 3.

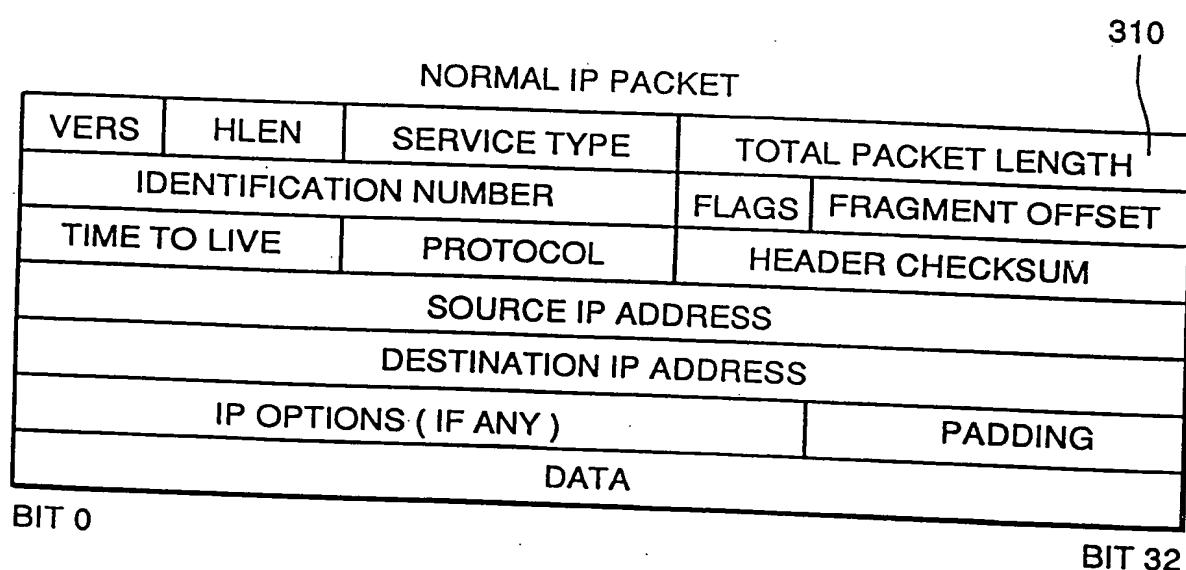


FIG. 4.

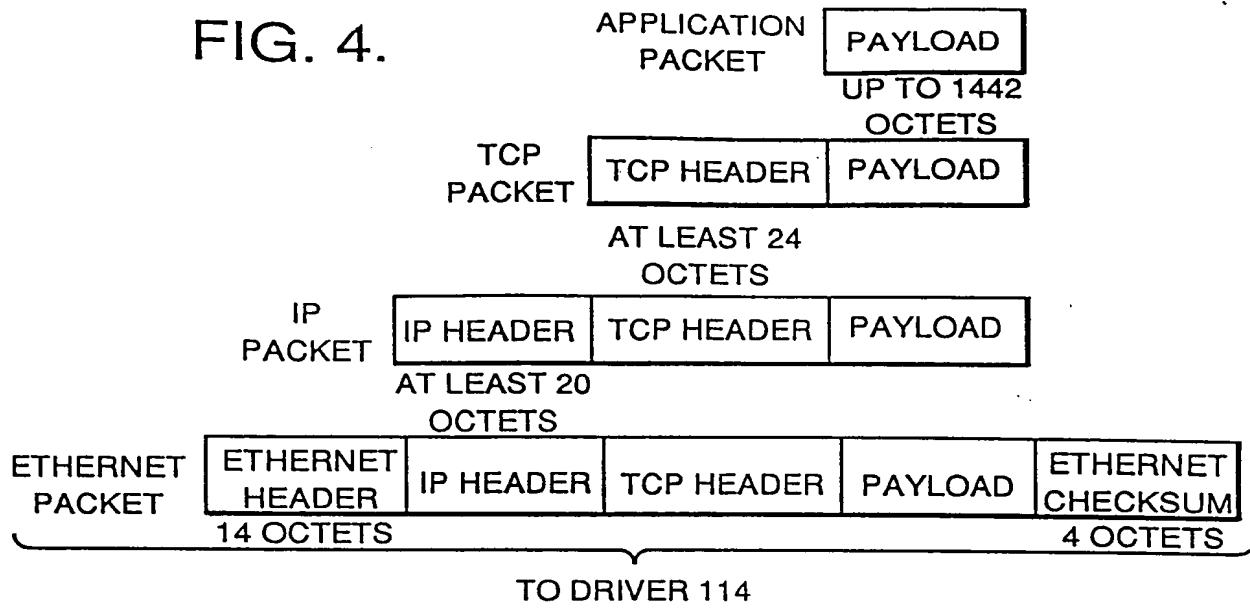


FIG. 5.

## TUNNELED IP PACKET

( duplicated values in lower case )

530	vers	hlen	service type	TOTAL PACKET LENGTH					
	identification number		flags	fragment offset					
	time to live	protocol		HEADER CHECKSUM					
	SOURCE IP ADDRESS ( SLIP IP ADDRESS )								
	DESTINATION IP ADDRESS ( HYBRID GW IP ADDRESS )								
	IP options ( if any )				padding				
	VERS	HLEN	SERVICE TYPE	TOTAL PACKET LENGTH	310				
	IDENTIFICATION NUMBER		FLAGS	FRAGMENT OFFSET					
	TIME TO LIVE	PROTOCOL		HEADER CHECKSUM					
	SOURCE IP ADDRESS								
540	DESTINATION IP ADDRESS								
	IP OPTIONS ( IF ANY )				PADDING				
	DATA								
	bit 0	bit 32							

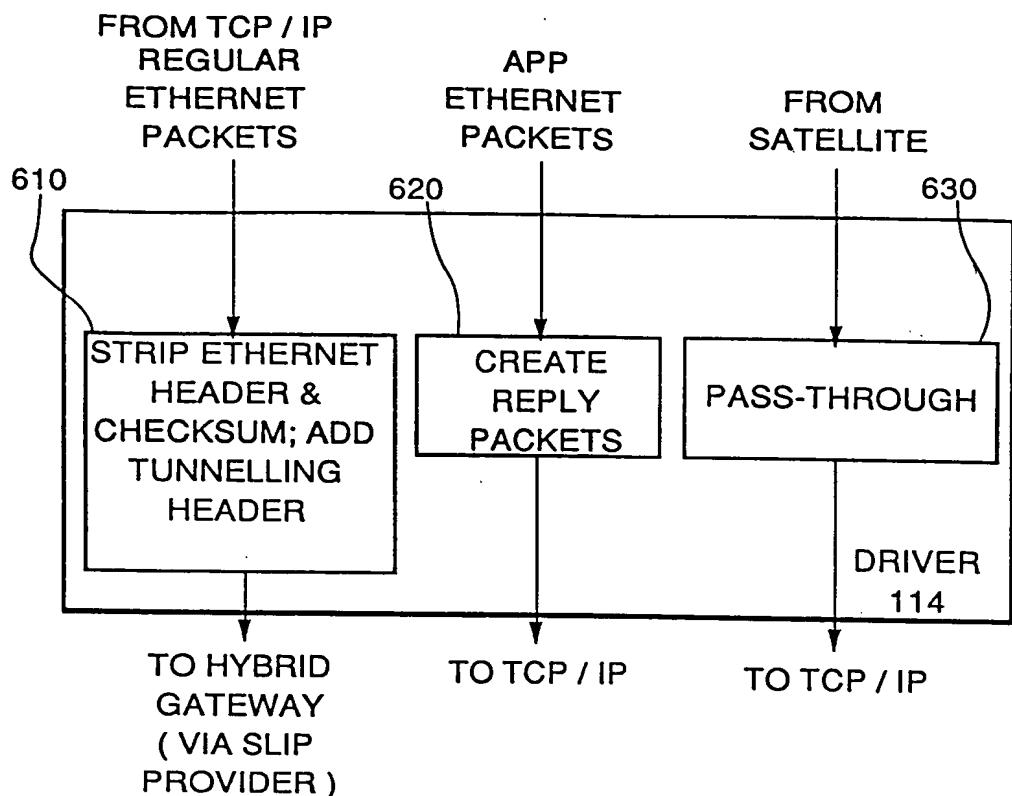


FIG. 6.

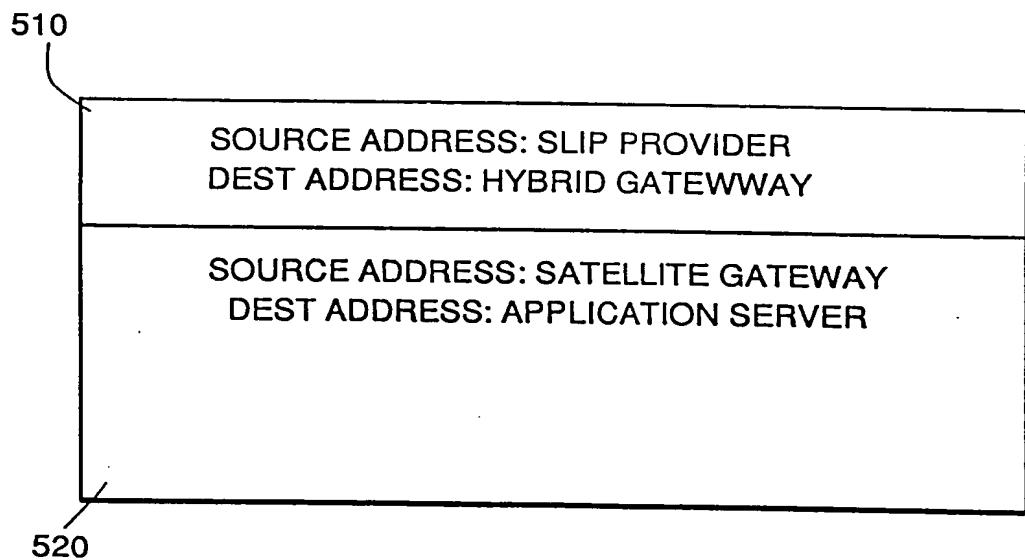


FIG. 7.

FIG. 8.

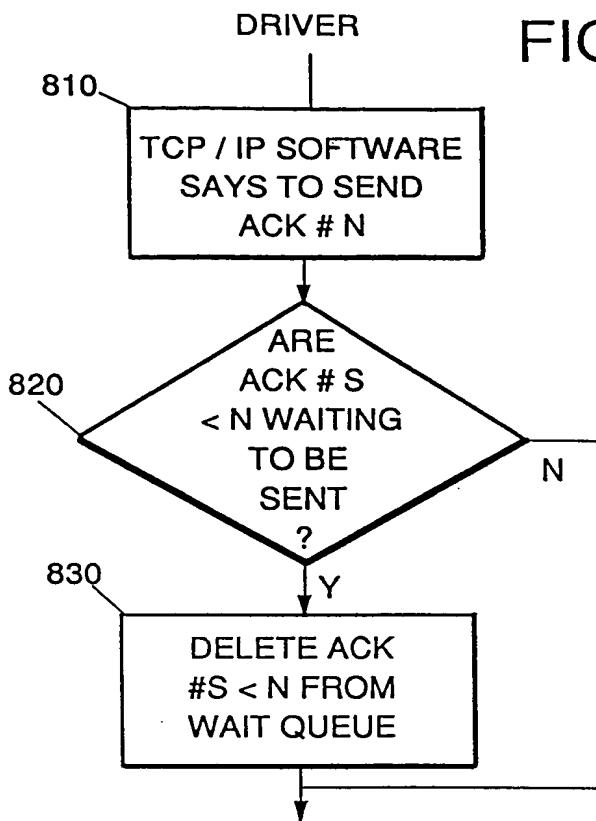


FIG. 9.

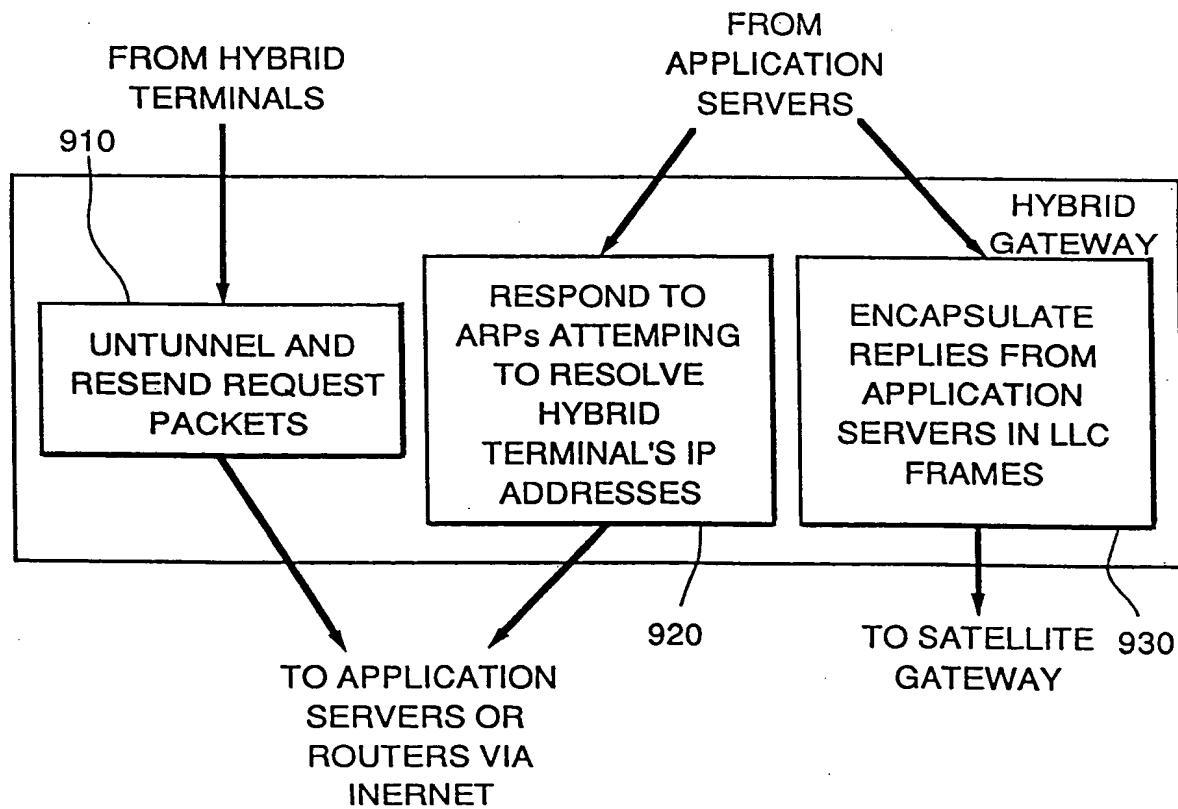


FIG. 10.

LLC HEADER	SATELLITE HEADER	IP DATAGRAM ( PAYLOAD )
1030 DELIVERS PACKET TO SATELLITE GATEWAY STRIPPED OFF IN SATELLITE GATEWAY	1020 USED TO ID CORRECT RECEIVER TERMINAL STRIPPED OFF IN BIC DRIVER IN USER TERMINAL	1010 DESTINED FOR TCP/IP PACKAGE IN USER TERMINAL

FIG. 11.

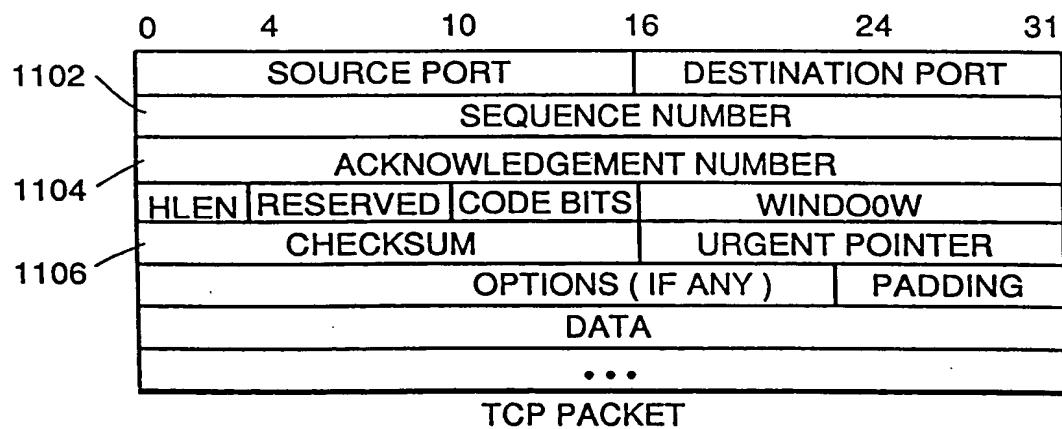


FIG. 12.

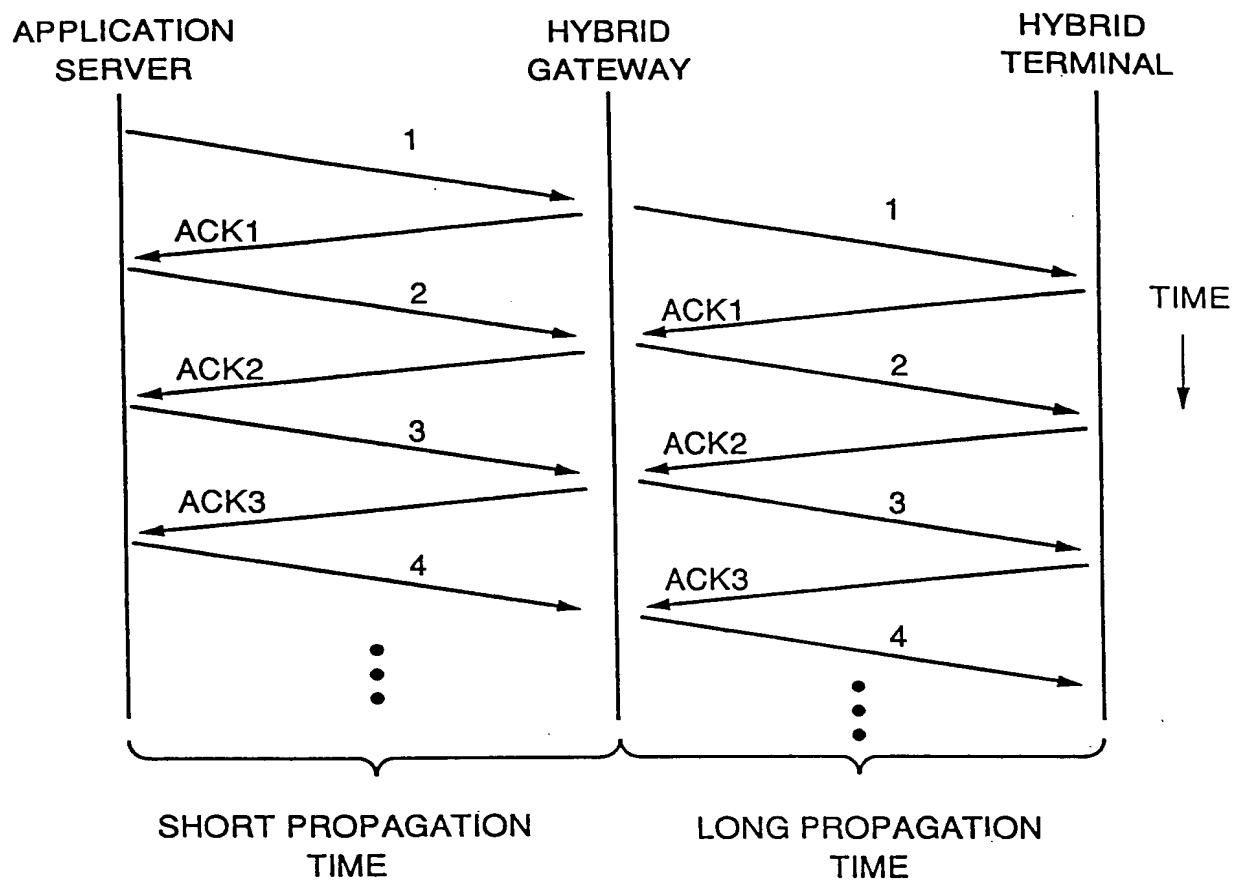


FIG. 13a.

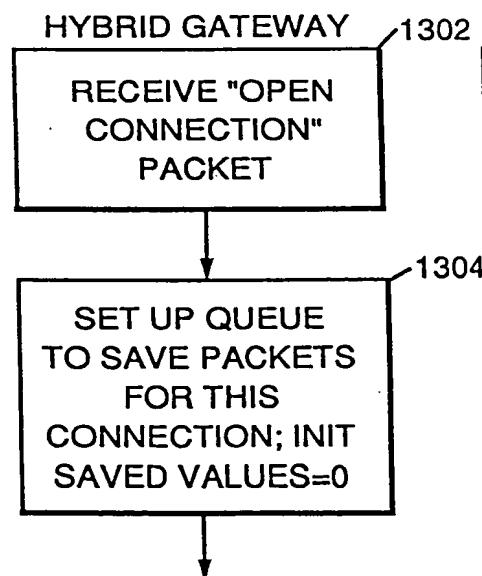
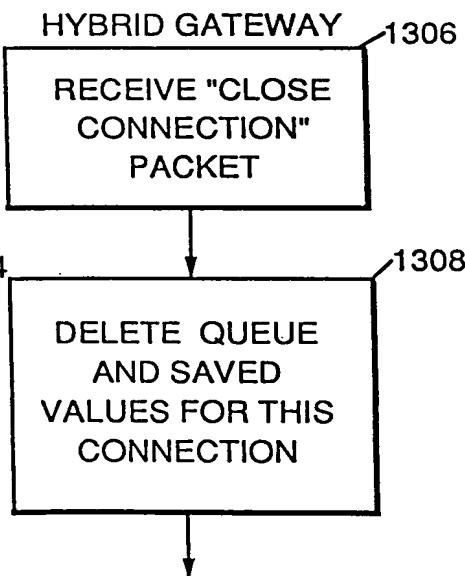
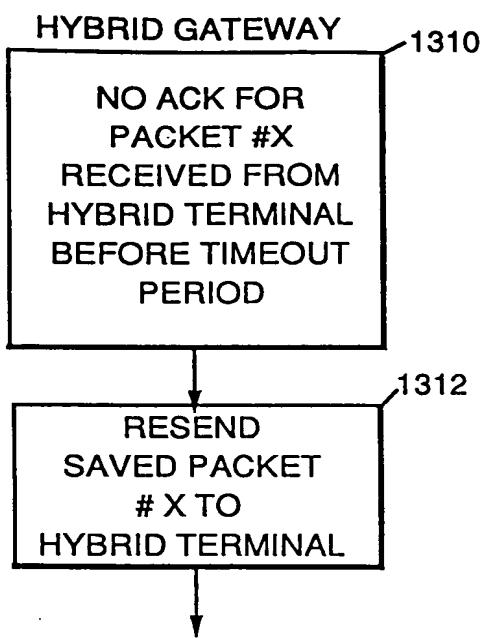


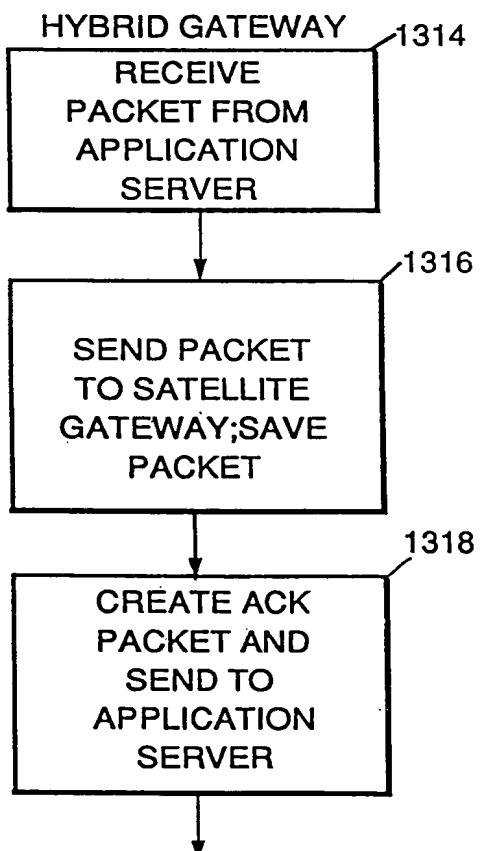
FIG. 13b.



**FIG. 13c.**



**FIG. 13d.**



**FIG. 13e.**

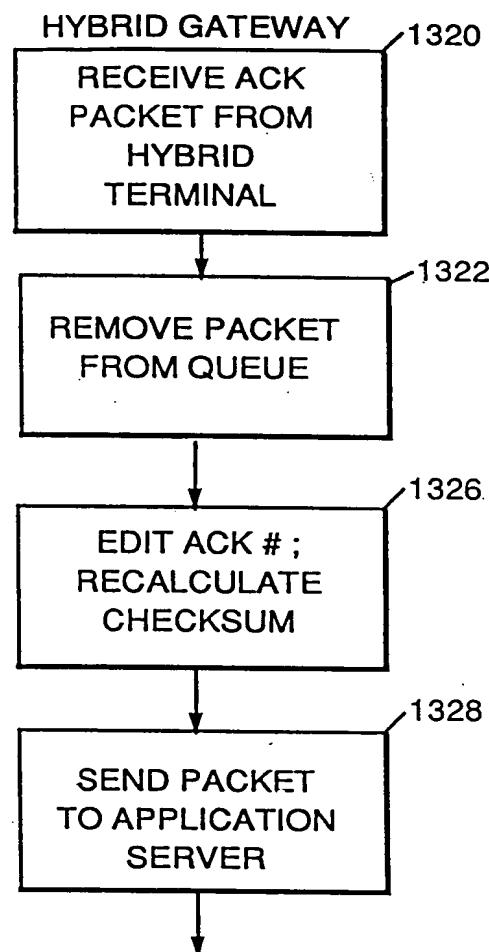
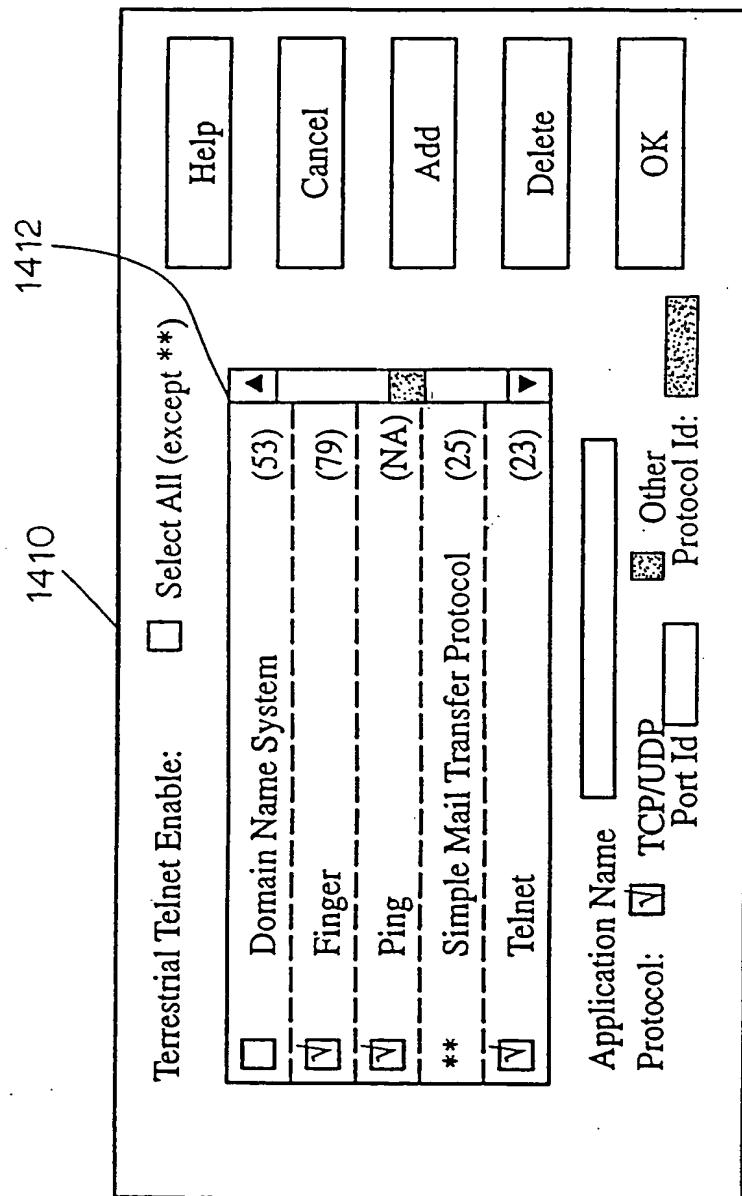


FIG. 14



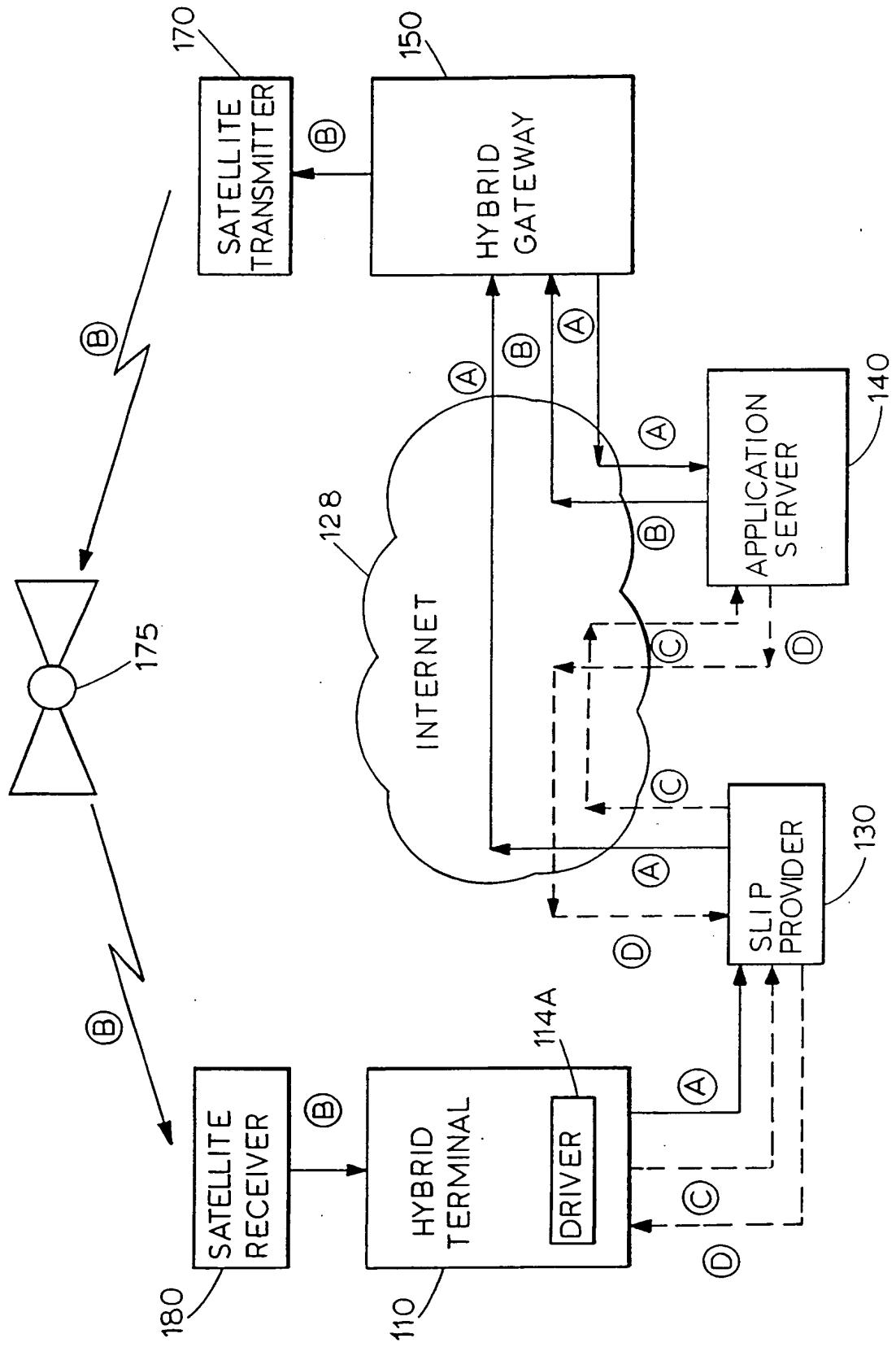


FIG. 15

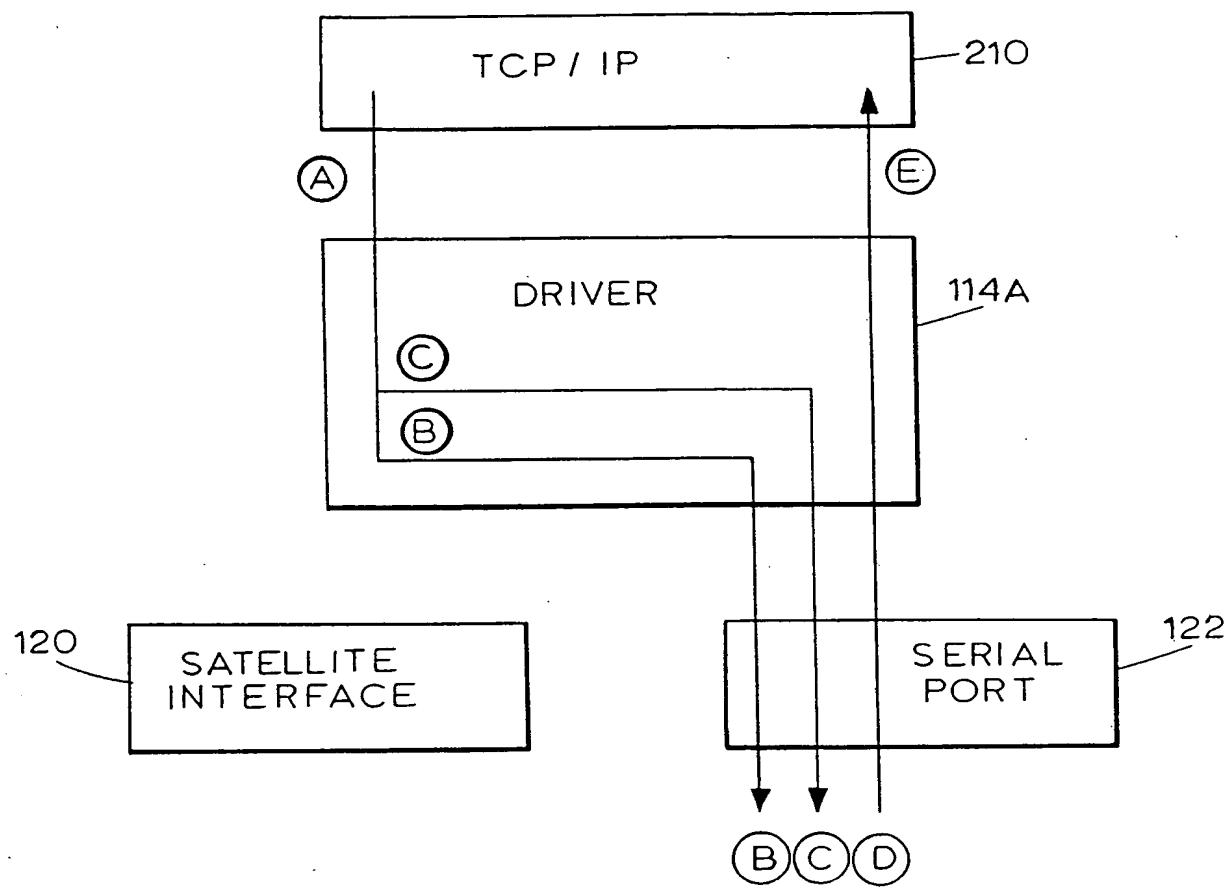


FIG. 16

DA = application server	SA = satellite interface	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16A ORIGINAL REQUEST PACKET

new DA = hybrid gateway	new SA = SLIP provider	new IP header checksum	DA = application server	SA = satellite interface	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16B TUNNELED SATELLITE REQUEST PACKET

DA = application server	(new) SA = SLIP provider	(new) IP header checksum	(new) TCP/UDP checksum	Request Data
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FIG. 16C TERRESTRIAL REQUEST PACKET

DA = SLIP provider	SA = application server	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16D TERRESTRIAL REPLY PACKET

(new) DA = satellite interface	SA = application server	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16E MODIFIED TERRESTRIAL REPLY PACKET

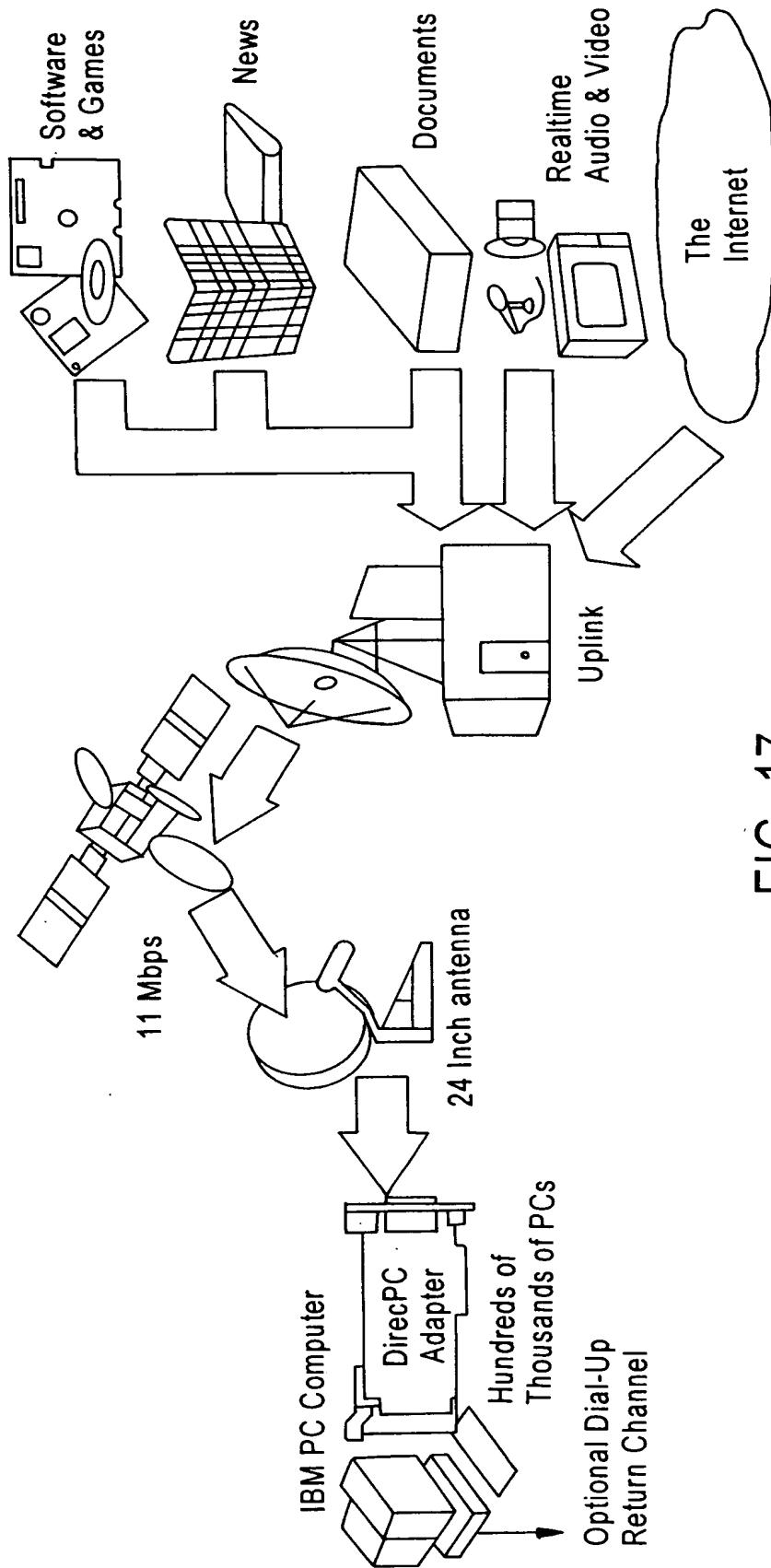


FIG. 17

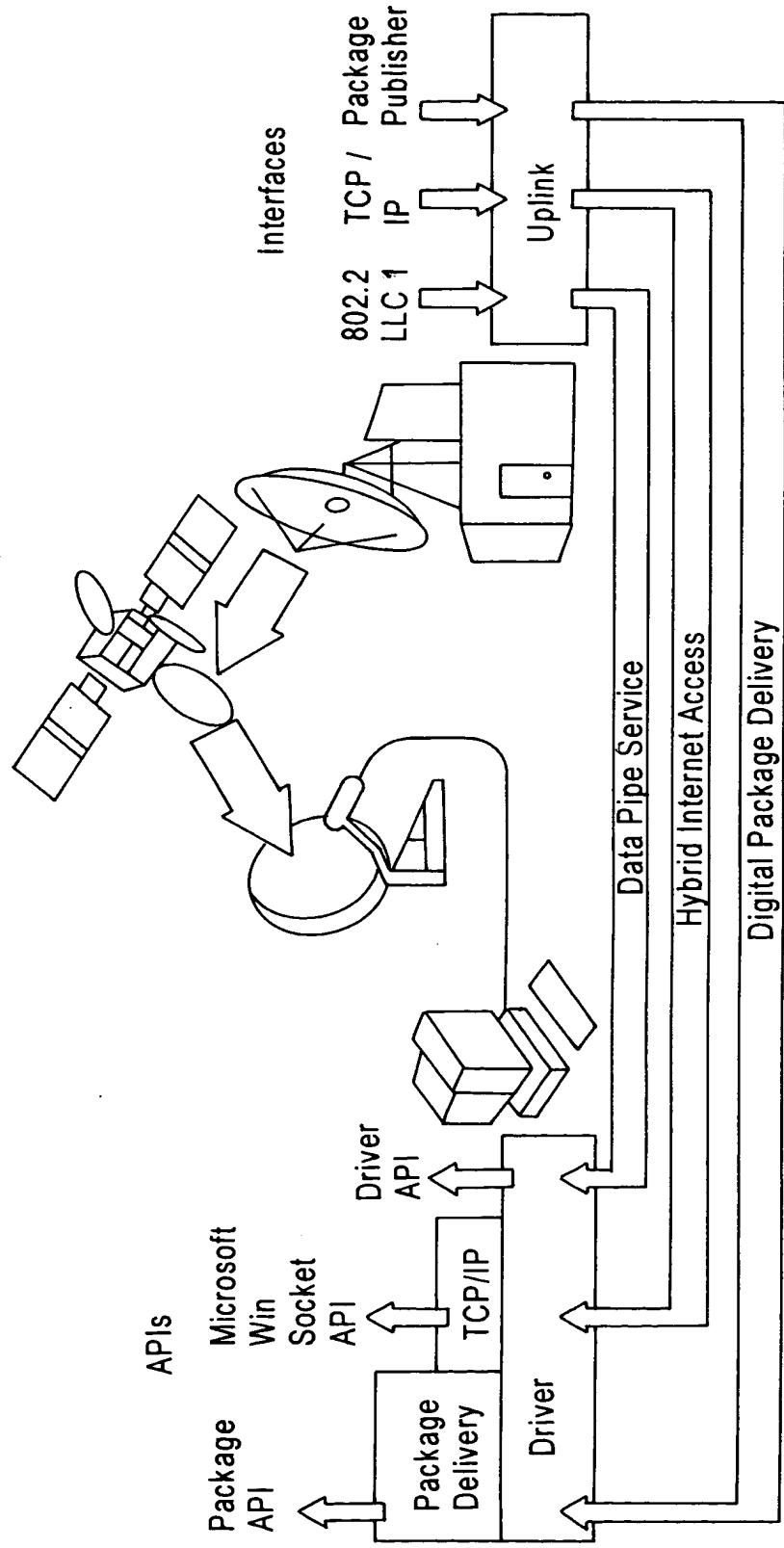


FIG. 18